

WHAT IS CLAIMED IS:

- 1 1. A connector lock structure, comprising:
 - 2 a first connector housing;
 - 3 a second connector housing, which is fitted to the first connector
 - 4 housing;
 - 5 a flexible lock member, which is frontwardly extended from the first
 - 6 connector housing along a connector fitting direction, and which has an
 - 7 engagement portion provided at an end portion thereof;
 - 8 a latch member, which is provided on the second connector housing,
 - 9 and which is engaged with the engagement portion;
 - 10 an operating arm, which upwardly protrudes from the end portion of
 - 11 the lock member and rearwardly extends, and which has a operation portion
 - 12 provided at a rear end portion thereof; and
 - 13 a fulcrum projection, which is provided on at least one of an outer wall
 - 14 face of the lock member and a bottom surface of the operating arm facing the
 - 15 outer wall face.

- 1 2. The connector lock structure as set forth in claim 1, wherein the
 - 2 flexible lock member is formed by a part of an outer wall of the first connector
 - 3 housing; and
 - 4 wherein the fulcrum projection is provided on at least one of an outer
 - 5 wall face of the first connector housing and the bottom surface of the operating
 - 6 arm facing the outer wall face of the first connector housing.

1 3. The connector lock structure as set forth in claim 1, wherein when the
2 operating portion is depressed, the operating arm pivotally swing around the
3 fulcrum projection as a fulcrum so as to deform the end portion of the lock
4 member upwardly so that an engagement between the latch member and the
5 engagement portion is released.

1 4. The connector lock structure as set forth in claim 1, wherein a presser
2 portion is provided on at least one of the lock member and the operating arm;
3 wherein a preventing member is provided on an outer face of the first
4 connector housing, and engages with the presser portion so as to prevent the
5 lock member from lifting.